

HP Air Compressor – Bauer DMES-HPC-003 Specification

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HP AIR COMPRESSOR BAUER MARINER 320-E (DMES-HPC-003)

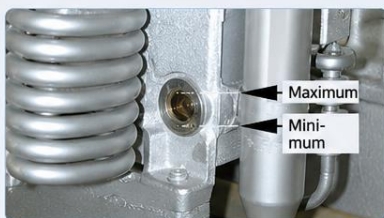
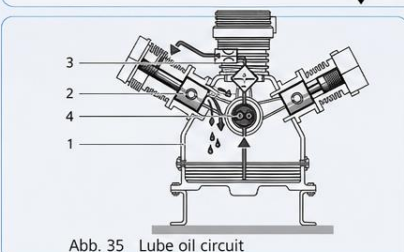
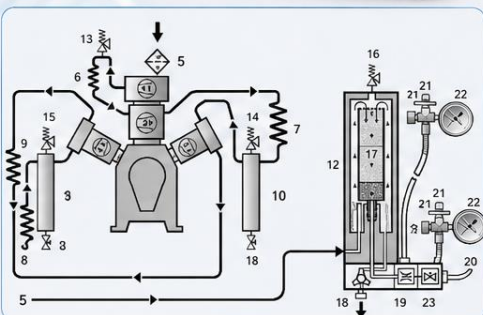
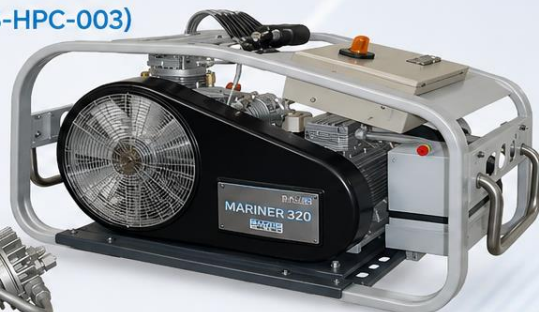


Abb. 35 Oil sight gauge



320 L / min
CAPACITY



225 bar
MAX. PRESSURE



4
STAGES



3
CYLINDERS



7.5 kW
POWER

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Specifications

Item	Value
Manufacturer	Bauer
Model	Mariner 320-E
Plant and Serial Number	DMES-HPC-014 (19-17-5045)
Type	High Pressure Compressor (Breathing Air)
Motor Drive	Three Phase Squirrel Cage (IP 55–B3 Construction)
Operating Voltage	380–415 V, 50 Hz; 380–480 V, 50 Hz
Motor Power	10 Hp (7.5 kW), 15.3 Amps
Max. Operating Pressure	3262 PSI (225 Bar)
RPM	2,910 min ⁻¹
Number of Stages	4
Number of Cylinders	3
Cylinder Bore 1st Stage	105 mm
Cylinder Bore 2nd Stage	105/88 mm
Cylinder Bore 3rd Stage	28 mm
Cylinder Bore 4th Stage	12 mm
Piston Stroke	40 mm
Intermediate Pressure 1st Stage	2.5 3.5 bar
Intermediate Pressure 2nd Stage	14 18 bar
Intermediate Pressure 3rd Stage	55 85 bar

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Specifications

Item	Value
Compressor Block Oil Capacity	2.8 Ltr
Oil Pressure	3 to 6 bar
Oil Type	Synthetic / Mineral Oil
Environment Working Temperature	+5 +45°C (+43 +113°F)
Air Quality	DIN EN 12021 Breathing Air 2014-07
Dimensions	48 × 32 × 38 in. (120 × 080 × 095 cm)
Weight	348 lbs (158 kg)

Features

High pressure compressor, 320 L / min, 7.5 kW, three-phase motor 400 V, 50 Hz, P 31 filter system.

Compressor block 3 cylinders, 4-stage.

Micronic intake.

Intercooler / aftercooler.

Intermediate / final separator for oil / water condensate.

Intermediate pressure safety valves after each compressor stage.

End pressure safety valve type tested according to TÜV.

Pressure holding / check valve after the last compressor stage.

Oil lubrication.

Three-phase motor.

Motor protection switch and connecting cable including plug.

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Support frame or lintel frame in vibration-optimized construction.

Lightweight construction through the use of aluminum alloys.

Filter system P 31 with long-term filter cartridge TRIPLEX.

B-Timer.

Filling device PN 200 bar, 3 filling connections each consisting of; 1 filling hose, 1 m long.

1 filling valve PN 200 bar with automatic ventilation and manometer.